



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of

LEE, Hee-Chun

Group Art Unit: 2504

Appln. No. 08/596,423

Examiner: Cunningham, T.

Filed: February 2, 1996

Title: SUBSTRATE BIAS GENERATOR IN SEMICONDUCTOR MEMORY DEVICE

* * * * *

July 5, 1996

RECEIVED

AMENDMENT

JUL 10 1996

Hon. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

NOT ENTERED GROUP 2500

Sir:

Responsive to the Official Action dated April ;5, 1996,
kindly enter the following amendments and remarks.

IN THE CLAIMS:

Kindly amend the claims as follows.

1. (Amended) A substrate bias generator of a
semiconductor memory device having a voltage pump circuit to
boost a substrate voltage in response to an input of an
oscillating signal generated in an oscillator, said substrate
bias generator further comprising:

a substrate voltage level detector having said
substrate voltage input thereto and outputting a signal which
drives said oscillator in response to a substrate voltage level

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(NE)
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AJ

Enter
for purposes
of appeal
only.
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7/11/96

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT
APPLICATION

PATENT APPLICATION of

(s): LEE

Appl. No.: 08/596,423

Serial No. †

Filed: February 2, 1996

Title: SUBSTRATE BIAS GENERATOR IN
SEMICONDUCTOR MEMORY DEVICE

Group Art Unit: 2504

Examiner: T. CUNNINGHAM

Atty. Dkt.

220312

P 3334/SS

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Client Ref

(Our Deposit Account No. 03-3975)

(Our Order No.

9666

220312

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Hon. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Date: July 5, 1996

RESPONSE UNDER 37 CFR 1.116
EXPEDITED PROCEDURE - GROUP 2500

Sir:

RESPONSE/AMENDMENT/LETTER

This is a response/amendment/letter in the above-identified application and includes the herewith attachment of same date and subject which is incorporated hereinto by reference and the signature below is to be treated as the signature to the attachment in absence of a signature thereto.

FEE REQUIREMENTS FOR CLAIMS AS AMENDED

1.	Claims remaining after amendment	Highest number previously paid for	Present Extra	Large/Small Entity	Additional Fee	Fee Code
2. Total Effective Claims	*6	**minus 20	= 0	x 22.00	+0.00	103/203
3. Independent Claims	*3	***minus 3	= 0	x 78.00	+0.00	102/202
4. If amendment enters proper multiple dependent claim(s) into this application for first time (leave blank if this is a reissue application) add				+250/125	+	104/204
5. Original due date: JULY 5, 1996						
6. Petition is hereby made to extend the original due date to cover the date this response is filed for which the requisite fee is attached		(1 mo) (2mos) (3mos)	+110/55 +380/190 +900/450	+		115/215 116/216 117/217
7. Enter any previous extension fee paid since above original due date (item 5) and subtract				-		
8.				Extension Fee Attached	+0.00	
9. If Terminal Disclaimer attached, add Rule 20(d) official fee				+110/55	+	148/248
10. If IDS attached requires Official Fee, add				+220 =	+	126
or if Rule 97(d) Petition, add				+130 =		122
11. After-Final Request Fee per Rules 129(a) and 17(r)				+750/375	+	146/246
12. No. of additional inventions for examination per Rule 129(b):				x750.00/ea	+0.00	149/249
13.					+	
14.				TOTAL FEE ENCLOSED =	\$0.00	

15. *If the entry in this space is less than entry in the next space, the "Present Extra" result is "0".

16. **If the "Highest number previously paid for" in this space is less than 20, write "20" in this space.

17. ***If the "Highest number previously paid for" in this space is less than 3, write "3" in this space.

CHARGE STATEMENT: The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficiencies only) now or hereafter relative to this application and the resulting Official Document under Rule 20, or credit any overpayment, to our Account/Order Nos. shown in the heading hereof, for which purpose a duplicate copy of this sheet is attached.

This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal sheet is filed.

Query: Is appeal deadline now? If so,
file Notice of Appeal separately.

CUSHMAN DARBY & CUSHMAN, LLP.

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Attny/Sec: DAJ/MJD/cjl

By: Atty: David A. Jakopin

Reg. No. 32,995

Sig:

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NOTE: File in duplicate with 2 post card receipts (CDC-103) & attachments